



STATE OF IDAHO
DEPARTMENT OF
ENVIRONMENTAL QUALITY

1410 North Hilton • Boise, Idaho 83706-1255 • (208) 373-0502

Dirk Kempthorne, Governor
C. Stephen Allred, Director

January 25, 2002

CERTIFIED MAIL #7099 3220 0006 2682 3034

Mr. Kirk Clarich
Idaho Power Company, Inc.
Hazardous Materials Administrator
1221 West Idaho Street
Boise, Idaho 83702

RE: T2-010907, Idaho Power - Salmon Substation, Salmon, Idaho
Final Tier II Operating Permit No. #059-00007

Dear Mr. Clarich:

The Idaho Department of Environmental Quality (Department) is issuing Tier II Operating Permit Number 059-00007 for the Idaho Power Salmon Substation in accordance with IDAPA 58.01.01.400 through 406, *Rules for the Control of Air Pollution in Idaho (Rules)*.

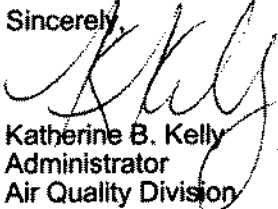
The enclosed Tier II Operating Permit is based on the information contained in your permit application and on the relevant comments received during the public comment period. Modification to and/or renewal of this Tier II permit shall be requested in a timely manner in accordance with the *Rules*.

Jorge Garcia of the Idaho Falls Regional Office will contact you regarding a meeting with the Department to discuss the permit terms and requirements. The Department recommends attendance of your facility's plant manager, responsible official, environmental contact, and any operations staff responsible for day-to-day compliance with permit conditions.

You, as well as any other entity, may have the right to appeal this final agency action pursuant to IDAPA 58.01.23 (*Rules of Administrative Procedure Before the Board of Environmental Quality*). A petition may be filed with the Hearings Coordinator, Department of Environmental Quality, 1410 N. Hilton, Boise, ID 83706-1255, within 35 days of the date of this decision. However, the Department encourages you to contact us to discuss any concerns you may have with the enclosed permit prior to filing a petition for a contested case.

If you have any questions regarding the terms or conditions of the enclosed permit, please contact Mike Simon at (208) 373-0502 or msimon@deq.state.id.us.

Sincerely,


Katherine B. Kelly
Administrator
Air Quality Division

KK/MS/tk
Enclosure

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cc: Jorge Garcia, Idaho Falls Regional Office
Sherry Davis, Technical Services
Laurie Kral, EPA Region 10



Air Quality
TIER II OPERATING PERMIT

State of Idaho
Department of Environmental Quality

PERMIT NO.: 059-00007

AQCR: 63

CLASS: SM

SIC: 4911

ZONE: 12

UTM COORDINATE (km): 273.3, 5007.2

1. PERMITTEE
Idaho Power Company, Inc.

2. PROJECT
Salmon Substation

3. MAILING ADDRESS
1221 West Idaho Street

CITY
Boise

STATE
Idaho

ZIP
83702

4. FACILITY CONTACT
Kirk Clarich

TITLE
Hazardous Materials Administrator

TELEPHONE
(208) 388-2436

5. RESPONSIBLE OFFICIAL
John Prescott

TITLE
Vice President, Power Supply

TELEPHONE
(208) 388-2687

6. EXACT PLANT LOCATION
T3N, R2E, Section 27 (St. Charles Street, Salmon, Idaho)

COUNTY
Lemhi

7. GENERAL NATURE OF BUSINESS & KINDS OF PRODUCTS
Generation and Distribution of Electricity

8. PERMIT AUTHORITY

This permit is issued according to the *Rules for the Control of Air Pollution in Idaho*, IDAPA 58.01.01.400, and pertains only to emissions of air contaminants which are regulated by the state of Idaho and to the sources specifically allowed to be operated by this permit.

This permit has been granted on the basis of design information presented in the application and the Idaho Department of Environmental Quality's (Department) technical analysis of the supplied information. Changes in design or equipment that result in any change in the nature or amount of emissions may be a modification. Modifications are subject to Department review in accordance with Section 58.01.01.200 of the *Rules for the Control of Air Pollution in Idaho*.


KATHERINE B. KELLY, ADMINISTRATOR, AIR QUALITY DIVISION
DEPARTMENT OF ENVIRONMENTAL QUALITY

DATE ISSUED: January 25, 2002

DATE EXPIRES: January 25, 2007

AIR QUALITY TIER II OPERATING PERMIT NUMBER: 059-00007

Permittee: Idaho Power Company, Inc.

Date Issued: January 25, 2002

Location: Salmon Substation – St. Charles Road, Salmon, Idaho

Date Expires: January 25, 2007

1. TIER II OPERATING PERMIT SCOPE

PURPOSE

- 1.1 This Tier II operating permit establishes facility-wide requirements to limit the facility's potential to emit below Prevention of Significant Deterioration and Title V major source thresholds and to comply with ambient air quality standards in accordance with *Rules for the Control of Air Pollution in Idaho*.

REGULATED SOURCES

- 1.2 The sources of emissions that are regulated in this Tier II operating permit include two 2.75-megawatt (MW) generators and fugitive dust generated on unpaved roads. Sources of emissions that are not regulated by this permit include two 12,000-gallon above ground storage tanks containing No. 1 or No. 2 distillate (diesel) fuel.

2. DIESEL-FUELED GENERATORS

2.1 Process Description

Two 2.75-MW diesel-fired generators installed in 1967 provide stand-by power and a portion of the base load of electricity in the Salmon, Idaho area.

EMISSION LIMITS

2.2 Emission Limits

Particulate matter with an aerodynamic diameter less than or equal to a nominal 10 micrometers, sulfur dioxide, oxides of nitrogen, and carbon monoxide emissions from the generators shall not exceed the corresponding emission rates listed in the appendix of this permit.

2.3 Visible Emission Limits

Visible emissions from either generator stack shall not exceed 20% opacity for a period or periods aggregating more than three minutes in any 60-minute period as required in IDAPA 58.01.01.625.

OPERATING REQUIREMENTS

2.4 Fuel Burning Limits

The maximum amount of fuel burned in both generators shall not exceed 392,392 gallons per any consecutive 12-month period.

2.5 Fuel Oil Requirements

2.5.1 The generators shall be fired on either No. 1 or No. 2 diesel fuel.

2.5.2 The sulfur content in the No. 1 fuel oil (American Society for Testing and Materials (ASTM) Grade 1) supplied to the generators shall not exceed 0.3% by weight as required in IDAPA 58.01.01.728. The sulfur content in the No. 2 fuel oil (ASTM Grade 2) supplied to the generators shall not exceed 0.5% by weight as required in IDAPA 58.01.01.728.

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MONITORING AND RECORDKEEPING REQUIREMENTS

2.6 Fuel Burning Monitoring

The permittee shall monitor and record the total fuel usage in gallons of each generator at the Salmon Substation on a monthly basis. This information shall be kept onsite for the most recent two-year period and shall be made available to Department representatives upon request. Reporting of this information is required by permit condition 2.8.

2.7 Distillate Fuel Sulfur Content

Records from the fuel oil supplier shall be maintained onsite and made available to Department representatives upon request. These records shall include certifications that all No. 1 and No. 2 distillate fuel received for use or used in the generators did not exceed 0.3% sulfur by weight or 0.5% sulfur by weight, respectively. This information shall be kept onsite for the most recent two-year period and shall be made available to Department representatives upon request. Reporting of this information is required by permit condition 2.8.

REPORTING REQUIREMENTS

2.8 Generator Operating Rates

The facility shall submit semi-annual reports to the Department. The initial semi-annual report shall be postmarked by the 30th day of the sixth month following the issuance of this permit. Each subsequent report shall be postmarked by the 30th day following the end of the reporting period. Each report must contain the information required in permit conditions 2.6 and 2.7. These reports shall be submitted to the following address:

Idaho Department of Environmental Quality
Idaho Falls Regional Office
900 N. Skyline, Suite B
Idaho Falls, Idaho 83402

2.9 Certification of Documents

All documents submitted to the Department, including, but not limited to, records, monitoring data, supporting information, requests for confidential treatment, testing reports, or compliance certifications, shall contain a certification by a responsible official. The certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document(s) are true, accurate, and complete.

3. FUGITIVE EMISSION SOURCES

3.1 Unpaved Roads

Unpaved access roads are present at the facility. Vehicle traffic at the facility includes fuel delivery trucks and employee vehicles.

OPERATING REQUIREMENTS

3.2 Reasonable Control of Fugitive Emissions

As required in IDAPA 58.01.01.651, all reasonable precautions shall be taken to prevent particulate matter from becoming airborne. In determining what is reasonable, considerations will be given to factors such as the

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proximity of dust-emitting operations to human habitations and/or activities and atmospheric conditions that might affect the movement of particulate matter. Some of the reasonable precautions include, but are not limited to, the following:

- 3.2.1 Using water or chemicals for controlling dust when demolishing existing buildings or structures, performing construction operations, grading roads, and clearing lands;
- 3.2.2 Applying asphalt, oil, water, or suitable chemicals to, or covering, dirt roads, material stockpiles, and other surfaces than can create dust;
- 3.2.3 Installing and using hoods, fans, fabric filters, or equivalent systems to enclose and vent the handling of dusty materials. Adequate containment methods should be employed during sandblasting or other operations;
- 3.2.4 Covering open-bodied trucks transporting materials likely to give rise to airborne dusts;
- 3.2.5 Paving roadways and maintaining them in a clean condition; or
- 3.2.6 Promptly removing earth or other stored material from streets.

MONITORING AND RECORDKEEPING REQUIREMENTS

- 3.3 Unless specified elsewhere in this permit, the permittee shall maintain records of all fugitive dust complaints received. The permittee shall take appropriate corrective action as expeditiously as practicable after a valid complaint is received. The records shall include, at a minimum, the date that each complaint was received and a description of the following: the complaint, the permittee's assessment of the validity of the complaint, any corrective action taken, and the date the corrective action was taken.

AR QUALITY TIER II OPERATING PERMIT NUMBER: 059-00007**Permittee:** Idaho Power Company, Inc.**Date Issued:** January 25, 2002**Location:** Salmon Substation – St. Charles Road, Salmon, Idaho**Date Expires:** January 25, 2007**APPENDIX****IDAHO POWER CO., INC. – SALMON FACILITY****Emission Rates^a - Hourly (lb/hr^b) and Annual^c (T/yr^d)**

SOURCE DESCRIPTION	PM ₁₀ ^e		SO ₂ ^f		NO _x ^g		CO ^h	
	lb/hr	T/yr	lb/hr	T/yr	lb/hr	T/yr	lb/hr	T/yr
Two 2.75 MW Generators	3.8	4.9	12.6	6.4	198.1	99.2	41.8	23.4

- a. As determined by a pollutant-specific U.S. Environmental Protection Agency reference method, a Department-approved alternative, or as determined by the Department's emission estimation methods used in this permit analysis.
- b. Pounds per hour; hourly emissions rates represent maximum hourly emissions from simultaneous operation of both generators.
- c. As determined by multiplying the actual or allowable (if actual is not available) pounds per hour emission rate by the allowable hours per year that the process(es) may operate, or by actual annual production rates.
- d. Tons per year; annual emissions rates represent maximum annual emissions from both generators using up to 392,392 gallons of fuel per 12-month period.
- e. Particulate matter with an aerodynamic diameter less than or equal to a nominal 10 micrometers.
- f. Sulfur dioxide
- g. Oxides of nitrogen
- h. Carbon monoxide

AIR QUALITY TIER II OPERATING PERMIT NUMBER: 059-00007

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Date Issued: January 25, 2002

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TIER II PERMIT GENERAL PROVISIONS

- A. All emissions authorized herein shall be consistent with the terms and conditions of this permit. The emission of any pollutant in excess of the limitations specified herein, or noncompliance with any other condition or limitation contained in this permit, shall constitute a violation of this permit, *Rules for the Control of Air Pollution in Idaho*, and the Environmental Protection and Health Act, Idaho Code 39-101 et seq.
- B. The permittee shall at all times (except as provided in the *Rules for the Control of Air Pollution in Idaho*) maintain and operate in good working order all treatment or control facilities or systems installed or used to achieve compliance with the terms and conditions of this permit and other applicable laws for the control of air pollution.
- C. The permittee shall allow the Director, and/or his authorized representative(s), upon the presentation of credentials:
- 1) To enter upon the permittee's premises where an emission source is located, or in which any records are required to be kept under the terms and conditions of this permit; and
 - 2) At reasonable times to have access to and copy any records required to be kept under the terms and conditions of this permit, to inspect any monitoring methods required in this permit, and to require stack emission testing (i.e., performance tests) in conformance with state approved or accepted EPA procedures when deemed appropriate by the Director.
- D. Except for data determined to be confidential under Section 9-342A, *Idaho Code*, all reports prepared in accordance with the terms of this permit shall be available for public inspection at the appropriate regional office of the Department.
- E. Nothing in this permit is intended to relieve or exempt the permittee from compliance with any applicable federal, state, or local law or regulation, except as specifically provided herein.
- F. In the event of any change in control or ownership of source(s) from which the authorized emissions emanate, the permittee shall notify the succeeding owner or controller of the existence of this permit by letter, a copy of which shall be forwarded to the Director.
- G. This permit shall be renewable on the expiration date, provided the permittee submits any and all information necessary for the Director to determine the amount and type of air pollutants emitted from the equipment for which this permit is granted. Failure to submit such information within 60 days after receipt of the Director's request shall cause the permit to be voided.
- H. The Director may require the permittee to develop a list of operation and maintenance procedures to be approved by the Department. Such list of procedures shall become a part of this permit by reference, and the permittee shall adhere to all of the operation and maintenance procedures contained therein.
- I. Performance tests (i.e., air emission source tests) conducted pursuant to testing requirements in this permit must be conducted in accordance with IDAPA 58.01.01.157. Such testing shall not be conducted on weekends or state holidays unless the permittee obtains prior Department approval.

The permittee shall submit a proposed test date for each performance test required by this permit to the Department for approval at least 15 days prior to each respective test date (including each test date for periodic tests such as, for example, annual tests). The permittee shall promptly notify the Department of any change in the proposed test date and shall provide at least five working days advanced notice prior to conducting any rescheduled test, unless the Department approves a shorter notice period.

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Within 30 days of the date on which a performance test required by this permit is concluded, the permittee shall submit to the Department a performance test report for the respective test. The performance test report shall include any and all process operating data required to be recorded during the test period as well as the test results, raw test data, and associated documentation.

The maximum allowable source operating rate shall be limited to 120% of the average operating rate attained during the most recent performance test conducted pursuant to this permit, for which a test protocol has been granted prior approval by the Department, which demonstrated compliance with the respective pollutant emission limit unless; (1) a more restrictive operating limit is specified elsewhere in this permit or; (2) at such an operating rate, emissions would exceed any emission limit(s) set forth in this permit.

- J. The provisions of this permit are severable; if any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby.